	Type	Hits	Search Text
1	BRS	1	709/246.ccls. and 715/540.ccls.
2	BRS	415	709/246.ccls.
3	BRS	78	715/540.ccls.
4	BRS	3801	(715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.
5	BRS	1571	((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replace or delete or omit)
6	BRS	85	((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replace or delete or omit) near4 (section or portion)
7	BRS	266	((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)
8	BRS	152	(((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and internet
9	BRS	170	(((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and (parameter or attribute)
10	BRS	103	((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and internet) and (((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and (parameter or attribute))

	Type	Hits	Search Text
11	BRS	219	((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and internet) or (((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and (parameter or attribute))
12	BRS	2992140	@ad<=20000331
13	BRS	206	@ad<=20000331 and (((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and internet) or ((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and (parameter or attribute)))
14	BRS	88	((((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and internet) or ((((715/501.1 or 715/513 or 715/530 or 715/539 or 715/540 or 709/200 or 709/203 or 709/246).ccls.) and (replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content)) and (parameter or attribute))) and (file or document) near2 (process$4 or modify$4)
15	BRS	1	5951300.pn.
16	BRS	35	universal near2 messaging
17	BRS	1	5787449.pn.
18	BRS	1	5765177.pn.

	Type	Hits	Search Text
19	BRS	476	(replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content) same (parameter or attribute)
20	BRS	8256	(replac$4 or delet$4 or omit$4 or swap$4) near2 (section or portion or content) and (parameter or attribute)
21	BRS	4	5530852.pn. or 5541911.pn. or 5951300.pn. or 5887133.pn.
22	BRS	1	6,375,469.pn.

Brown et al.

[45] **Date of Patent:** Mar. 23, 1999

[54] **SYSTEM AND METHOD FOR MODIFYING DOCUMENTS SENT OVER A COMMUNICATIONS NETWORK**

[75] Inventors: Stephen J. Brown; Konstantin Othmer, both of Mountain View, Calif.

[73] Assignee: Health Hero Network, Mountain View, Calif.

[21] Appl. No.: 784,270

[22] Filed: Jan. 15, 1997

[51] Int. Cl.⁶ G06F 13/38; G06F 15/17
[52] U.S. Cl. 395/200.3; 395/200.36; 707/911; 707/540
[58] Field of Search 395/200.33, 200.36, 395/200.47, 200.48, 200.3; 707/203, 500, 511, 501, 515, 911, 540

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,710,918	1/1998	Lagarde et al.	707/10
5,749,063	5/1998	Koda et al.	707/530
5,787,295	7/1998	Nakao	395/761
5,794,251	8/1998	Watanabe et al.	707/200
5,799,318	8/1998	Cardinal et al.	707/104
5,802,534	9/1998	Hatayama et al.	707/534
5,806,057	9/1998	Gormley et al.	707/1

OTHER PUBLICATIONS

Newsbytes, pNEW10040041, "AdOptimizer—Ad Management Software For Websites", Oct. 4, 1996.
The Seybold Report on Desktop Publishing, v10 n12 p. 24(1), "New horizons teams with Duke, Real Media", Aug. 12, 1996.

Hutheesing, Nikhil, Forbes, v157 n10 p. 288(1), "An on-line gamble", May 20, 1996.

Jones, Chris, InfoWorld, v18 n18 p. 48(1), "Microsoft readies DocObject; technology will allow document editing in Web browsers", Apr. 29, 1996.
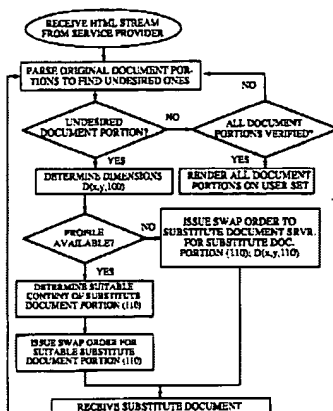
Marx, Wendy, InformationWeek, n576 p. 61(2), "More than just the Scores: ESPNET SportsZone is a model for extending brand names online", Apr. 22, 1996.

Primary Examiner—Mark H. Rinehart
Assistant Examiner—Marc D. Thompson
Attorney, Agent, or Firm—Lumen Intellectual Property Services

[57] **ABSTRACT**

A system and method applied to a communications network which transmits document portions in which an original document portion having an identifier portion and an information portion is replaced or swapped with a substitute document portion. The system has a controller, typically a proxy server, for reading the identifier portion of the original document portion, determining the information portion of the original document portion, and issuing a swap order when an undesired original document portion is found. A substitute document server receives the swap order and sends the substitute document portion to the controller. A swapping device or mechanism inserts the substitute document portion in place of the original document portion and the substitute document portion is passed on to the user set and displayed. The controller and swapping mechanism can be integrated with the user set or with the resources of the service provider and their functionality can reside in software.

30 Claims, 6 Drawing Sheets

	Document I	Pag	Current	Current	XR	S		PT
32	US 6205475	47	709/218	709/203;		☑	☐	☐
33	US 6199100	69	709/203	709/310		☑	☐	☐
34	US 6199081	23	715/513	707/6		☑	☑	☐
35	US 6195681	41	709/203			☑	☐	☐
36	US 6192382	7	715/513			☑	☐	☐
37	US 6182116	40	709/204	707/103R;		☑	☐	☐
38	US 6175843	13	715/513			☑	☐	☐
39	US 6167410	42	715/530			☑	☐	☐
40	US 6167409	31	715/513	707/10		☑	☑	☐
41	US 6157926	40	707/102	715/513		☑	☐	☐
42	US 6138272	23	717/142	709/200;		☑	☐	☐
43	US 6131088	35	705/27	705/26;		☑	☐	☐
44	US 6119136	25	715/513			☑	☐	☐
45	US 6088803	11	713/201	709/203;		☑	☐	☐
46	US 6088702	22	707/103	345/733;		☑	☐	☐
47	US 6081788	40	705/14	370/429;		☑	☐	☐
48	US 6061697	52	715/513	707/203;		☑	☐	☐
49	US 6055544	33	707/104	707/10;		☑	☐	☐
50	US 6052730	7	709/225	709/203;		☑	☐	☐
51	US 6029175	78	707/104	707/10;		☑	☐	☐
52	US 6026452	48	710/56	709/203;		☑	☐	☐
53	US 6002998	19	704/9	704/1;		☑	☐	☐
54	US 5991782	57	715/513			☑	☐	☐
55	US 5987510	52	709/219	709/203;		☑	☐	☐
56	US 5966533	33	717/100	345/744;		☑	☐	☐
57	US 5958005	15	709/202	380/51;		☑	☐	☐
58	US 5937160	41	709/203	707/10		☑	☐	☐
59	US 5930787	44	707/4	707/2;		☑	☐	☐
60	US 5924107	50	715/530			☑	☐	☐
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63	US 5905863	15	709/206	715/501.1;		☑	☐	☐
64	US 5897646	24	715/530	434/156;		☑	☐	☐
65	US 5893053	26	702/187	345/759;		☑	☐	☐
66	US 5892914	48	709/219	709/203;		☑	☐	☐
67	US 5892909	73	709/201	709/200;		☑	☐	☐
68	US 5887133	14	709/200	709/206;		☑	☐	☐
69	US RE36145	62	345/538	345/501;		☐	☑	☐
70	US 5850518	143	709/203			☐	☐	☐
71	US 5844555	42	715/530			☐	☐	☐
72	US 5812843	26	709/100	709/201;		☐	☐	☐
73	US 5784562	15	709/217	709/203;		☐	☐	☐
74	US 5778398	57	715/501			☐	☐	☐
75	US 5774661	14	709/203	709/238		☐	☐	☐
76	US 5748499	29	702/187	345/418;		☐	☐	☐
77	US 5649218	23	715/513			☐	☐	☐
78	US 5634064	28	715/513	345/784;		☐	☐	☐
79	US 5633996	86	715/513			☐	☐	☐
80	US 5628008	24	715/513			☐	☐	☐
81	US 5590257	90	715/530			☐	☐	☐
82	US 5504818	23	713/166	713/176;		☐	☐	☐
83	US 5497320	56	715/530			☐	☐	☐
84	US 5367698		709/203	709/219		☐	☐	☐
85	US 5276793		715/513			☐	☐	☐
86	US 5173854		715/540			☐	☐	☐
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☐	☑	US 6611840 B1	20030826	89	Method and system for removing content entity	707/102	707/1; 707/100;		Baer, William J. et al.	☑	☐	☐	☐	☐	☐
☐	☐	US 6609159 B1	20030819	31	Methods, systems, and machine readable programming	709/331	709/203; 709/227;		Dukach, Semyon et al.	☑	☐	☐	☐	☐	☐
☐	☐	US 6594692 B1	20030715	55	Methods for transacting electronic commerce	709/219	705/26; 709/203;		Reisman, Richard R.	☑	☐	☐	☐	☐	☐
☐	☑	US 6592628 B1	20030715	11	Modular storage method and apparatus for use with	715/522	715/500; 715/513;		Prinzing, Timothy N.	☑	☐	☐	☐	☐	☐
☐	☐	US 6585777 B1	20030701	17	Method for managing embedded files for a document saved	715/513	707/100; 715/501.1		Ramaley, Alan A. et al.	☑	☐	☐	☐	☐	☐
☐	☐	US 6578054 B1	20030610	18	Method and system for supporting off-line mode of	707/201	707/203; 709/203		Hopmann, Alexander I. et al.	☑	☐	☐	☐	☐	☐
☐	☐	US 6574655 B1	20030603	16	Associative management of multimedia assets and	709/200	707/10; 707/104.1;		Libert, Scott A. et al.	☑	☐	☐	☐	☐	☐
☐	☐	US 6546413 B1	20030408	150	Access-method-independent exchange using a	709/200	709/203; 709/253		Northrup, Charles J.	☑	☐	☐	☐	☐	☐
☐	☐	US 6546406 B1	20030408	30	Client-server computer system for large document	715/513	715/522; 715/523		DeRose, Steven J. et al.	☑	☐	☐	☐	☐	☐
☐	☑	US 6542888 B2	20030401	8	Content filtering for electronic documents	707/5	704/10; 704/9;		Marques, Joaquin M.	☑	☐	☐	☐	☐	☐
☐	☐	US 6519617 B1	20030211	14	Automated creation of an XML dialect and dynamic	715/513	715/500; 715/501.1		Wanderski, Michael C. et al.	☑	☐	☐	☐	☐	☐